## WHAT IS CLAIMED IS:

1. An adhesive composition, comprising:

an atactic polymer having a degree of crystallinity of about 20% or less and a number-average molecular weight between about 1,000 and about 300,000;

an isotactic polymer having a degree of crystallinity of about 40% or greater and a number-average molecular weight between about 3,000 and about 200,000; and an elastomeric base polymer.

- 2. The adhesive composition of Claim 1, wherein the atactic polymer comprises atactic polypropylene.
- 3. The adhesive composition of Claim 1, wherein the atactic polymer is selected from the group consisting of: low density polyethylene, atactic polystyrene, atactic polybutene, amorphous polyolefin copolymer, and combinations thereof.
- 4. The adhesive composition of Claim 3, wherein the low density polyethylene has a density in a range of about 0.910 to about 0.935 grams per cubic centimeter.
- 5. The adhesive composition of Claim 1, wherein the isotactic polymer comprises isotactic polypropylene.
- 6. The adhesive composition of Claim 1, wherein the isotactic polymer is selected from the group consisting of: high density polyethylene, isotactic polystyrene, isotactic polybutene, and combinations thereof.
- 7. The adhesive composition of Claim 6, wherein the high density polyethylene has a density in a range of about 0.935 to about 0.980 grams per cubic centimeter.

- 8. The adhesive composition of Claim 1, wherein the elastomeric base polymer comprises a styrene content of between about 0% and about 45% by weight.
- 9. The adhesive composition of Claim 1, wherein the elastomeric base polymer comprises at least one of the group consisting of: styrene-isoprene-styrene (SIS) multi-block copolymer, styrene-butadiene-styrene (SBS) multi-block copolymer, styrene-ethylene-propylene-styrene (SEPS) multi-block copolymer, styrene-ethylene-propylene-styrene (SEPS) multi-block copolymer, metallocene polyethylene/octane/polypropylene and/or butane, hexane, polyisoprene, polybutadiene, or ethylene vinyl acetate copolymers, and combinations thereof.
- 10. The adhesive composition of Claim 1, wherein the elastomeric base polymer has a melt flow rate between about 10 and about 2000 grams per minute, a Shore A hardness between about 20 and about 70, and may be stretched to about 1300% or less.
- 11. The adhesive composition of Claim 1, comprising between about 30% and about 90% by weight atactic polymer.
- 12. The adhesive composition of Claim 1, comprising between about 5% and about 30% by weight isotactic polymer.
- 13. The adhesive composition of Claim 1, comprising between about 2% and about 20% by weight elastomeric base polymer.
- 14. The adhesive composition of Claim 1, further comprising a low softening point additive having a softening point of about 80 degrees Celsius or less and a viscosity of about 1000 cps or less at 182 degrees Celsius, present in an amount between about 0% and about 40% by weight of the adhesive composition.

- 15. The adhesive composition of Claim 1, further comprising about 50% or less by weight of any additive selected from the group consisting of: a tackifier, an antioxidizing agent, a plasticizer, mineral oil, color pigment, filler, high softening point tackifier, a polymer compatibilizer, and combinations thereof.
- 16. The adhesive composition of Claim 1, wherein the composition can be processed by conventional hot melt equipment.
- 17. The adhesive composition of Claim 1, wherein the adhesive composition is hot-melt processable at about 450 degrees Fahrenheit or less.
  - 18. A laminated structure, comprising:

first and second facing layers; and

- a stretchable adhesive composition between at least a portion of each of the first and second facing layers, the stretchable adhesive composition including an atactic polymer having a degree of crystallinity of about 20% or less, an isotactic polymer having a degree of crystallinity of about 40% or greater, and an elastomeric base polymer.
- 19. The laminated structure of Claim 18, wherein at least one of the first and second facing layers comprises at least one of the group consisting of: nonwoven material, woven material, hook material, laminate, film, an elasticized component, and combinations thereof.
- 20. The laminated structure of Claim 18, wherein at least one of the first and second facing layers comprises at least one of the group consisting of: a spunbond web, a meltblown web, a necked-bonded laminate, hook material, and combinations thereof.
- 21. The laminated structure of Claim 18, wherein the first and second facing layers are each part of a single substrate.

- 22. The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 2 hours or greater at 100 degrees Fahrenheit.
- 23. The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 4 hours or greater at 100 degrees Fahrenheit.
- 24. The laminated structure of Claim 18, wherein the laminated structure has a static-peel-failure time of about 8 hours or greater at 100 degrees Fahrenheit.
- 25. The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 1 or less.
- 26. The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 0.5 or less.
- 27. The laminated structure of Claim 18, wherein the laminated structure has a relative accretion value of about 0.2 or less.
- 28. The laminated structure of Claim 18, wherein the atactic polymer is selected from the group consisting of: atactic polypropylene, low density polyethylene, atactic polystyrene, atactic polybutene, amorphous polyolefin copolymer, and combinations thereof.
- 29. The laminated structure of Claim 18, wherein the isotactic polymer is selected from the group consisting of: isotactic polypropylene, high density polyethylene, isotactic polystyrene, isotactic polybutene, and combinations thereof.

- 30. The laminated structure of Claim 18, wherein the elastomeric base polymer comprises at least one of the group consisting of: styrene-isoprene-styrene (SIS) multi-block copolymer, styrene-butadiene-styrene (SBS) multi-block copolymer, styrene-ethylene-butene-styrene (SEBS) multi-block copolymer, styrene-ethylene-propylene-styrene (SEPS) multi-block copolymer, metallocene polyethylene/octane/polypropylene and/or butane, hexane, polyisoprene, polybutadiene, or ethylene vinyl acetate copolymers, and combinations thereof.
- 31. The laminated structure of Claim 18, wherein the stretchable adhesive composition further comprises a low softening point additive having a softening point of about 80 degrees Celsius or less and a viscosity of about 1000 cps or less at 182 degrees Celsius, present in an amount between about 0% and about 40% by weight of the stretchable adhesive composition.
- 32. The laminated structure of Claim 18, wherein the stretchable adhesive composition further comprises about 50% or less by weight of any additive selected from the group consisting of: a tackifier, a high softening point tackifier, an antioxidizing agent, a plasticizer, mineral oil, color pigment, filler, a polymer compatibilizer, and combinations thereof.
  - 33. A garment comprising the laminated structure of Claim 18.
- 34. The laminated structure of Claim 33, wherein the garment is selected from the group consisting of: personal care garments, medical garments, and industrial workwear garments.
- 35. The laminated structure of Claim 33, wherein the garment is selected from the group consisting of: diapers, training pants, swim wear, absorbent underpants, adult incontinence products, feminine hygiene products, protective medical gowns, surgical medical gowns, caps, gloves, drapes, face masks, laboratory coats, and coveralls.

36. A method of making a stretchable laminate, comprising the steps of: forming a stretchable adhesive composition by combining between about 30 and about 90 wt% atactic polymer having a degree of crystallinity of about 20% or less and a number-average molecular weight between about 1,000 and about 300,000, between about 5 and about 30 wt% isotactic polymer having a degree of crystallinity of about 40% or greater and a number-average molecular weight between about 3,000 and about 200,000, and between about 2 and about 20 wt% elastomeric base polymer;

providing a first substrate;

providing a second substrate;

applying the stretchable adhesive composition to at least one of the first substrate and the second substrate; and

joining at least a portion of the first substrate to at least a portion of the second substrate with at least a portion of the applied adhesive composition positioned between the first substrate and second substrate.

- 37. The method of Claim 36, wherein the atactic polymer is selected from the group consisting of: atactic polypropylene, low density polyethylene, atactic polystyrene, atactic polybutene, amorphous polyolefin copolymer, and combinations thereof.
- 38. The method of Claim 36, wherein the isotactic polymer is selected from the group consisting of: isotactic polypropylene, high density polyethylene, isotactic polystyrene, isotactic polybutene, and combinations thereof.
- 39. The method of Claim 36, wherein the elastomeric base polymer comprises at least one of the group consisting of: styrene-isoprene-styrene (SIS) multi-block copolymer, styrene-butadiene-styrene (SBS) multi-block copolymer, styrene-ethylene-butene-styrene (SEBS) multi-block copolymer, styrene-ethylene-propylene-styrene (SEPS) multi-block copolymer, metallocene polyethylene/octane/polypropylene and/or butane, hexane, polyisoprene, polybutadiene, or ethylene vinyl acetate copolymers, and combinations thereof.

- 40. The method of Claim 36, further comprising combining in the stretchable adhesive composition about 50% or less by weight of any additive selected from the group consisting of: a low softening point additive, a tackifier, an antioxidizing agent, a plasticizer, mineral oil, color pigment, filler, high softening point tackifier, a polymer compatibilizer, and combinations thereof.
- 41. The method of Claim 36, comprising processing the stretchable adhesive composition with conventional hot melt equipment.
- 42. The method of Claim 36, wherein at least one of the first and second facing layers comprises at least one of the group consisting of: nonwoven material, woven material, hook material, laminate, film, and an elasticized component.
- 43. The method of Claim 36, wherein at least one of the first and second facing layers comprises at least one of the group consisting of a spunbond web, a meltblown web, a necked-bonded laminate, hook material, and combinations thereof.